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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/609,506 06/30/2003		Mangus Hallback	P03,0205	1163	
26574	7590	07/13/2004		EXAMINER	
SCHIFF HARDIN, LLP PATENT DEPARTMENT				HIRSCH, PAUL J	
6600 SEARS			ART UNIT	PAPER NUMBER	
CHICAGO, IL 60606-6473				3754	

DATE MAILED: 07/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No. Applicant(s)		_				
		10/609,506	HALLBACK ET AL.					
	Office Action Summary	Examiner	Art Unit	_				
		Paul J. Hirsch	3754					
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address					
THE - External after - If the - If NC - Failu Any (ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. MAILING DATE OF THIS COMMUNICATION. SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).					
Status								
1)⊠	Responsive to communication(s) filed on 1/9/04; 11/24/03;6/30/03.							
, —	This action is FINAL . 2b)⊠ This action is non-final.							
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.					
Dispositi	on of Claims							
4)🖂	Claim(s) <u>1-5</u> is/are pending in the application.	,						
	4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.							
6)⊠	Claim(s) 1-4 is/are rejected.							
7)[Claim(s) <u>5</u> is/are objected to.							
8)[Claim(s) are subject to restriction and/or	election requirement.						
Applicati	on Papers							
9)[The specification is objected to by the Examiner							
10)[The drawing(s) filed on is/are: a)☐ acce	pted or b) objected to by the E	xaminer.					
	Applicant may not request that any objection to the o	Irawing(s) be held in abeyance. See	37 CFR 1.85(a).					
_	Replacement drawing sheet(s) including the correction							
11)[⁻	The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.					
Priority u	nder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachment	(s)							
1) Notice	of References Cited (PTO-892)	4) Interview Summary (PTO-413)					
2) 🔲 Notice 3) 🔯 Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date 1/9/04; 11/24/03.	Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:	e					
Date de la compa		n						

DETAILED ACTION

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Shiokawa et al. Shiokawa et al teaches valve body 20, 16 having a valve opening, shaft 50 driven by a force generator that moves the shaft (col. 3, lines 51-63 for example) and magnetic bearings 70,72. It is inherent that magnetic bearings function to suspend the shaft by the operative forces of magnetics. In regard to claims 2-4, it is also considered inherent that during the movement of a magnetic component along further magnetic fields that are spaced apart that natural biasing of forces occur to a lesser or greater degree dependent on the relative positions of the magnetic fields, thus meeting the terms of the claims.

Allowable Subject Matter

Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Art Unit: 3754

A-E, G are cited as further teachings of bearing design and/or structure. Note G which teaches the characteristics of conventional magnetic bearings including suspension and variation of forces resulting in biasing affects.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul J. Hirsch whose telephone number is 703-308-1148. The examiner can normally be reached on 6:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene Mancene can be reached on 703 3082696. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Paul J. Hirsch Primary Examiner Art Unit 3754

Pjh July 2, 2004